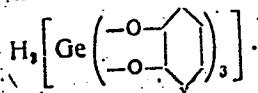


L 04492-67

ACC NR: AP6017112

metal: addend ratio of 1:3 and higher, two equivalents of alkali were expended in titration. A similar effect was also observed in the case of titration of a germanium-pyrogallol mixture. This confirmed the formation in the solution of complex dibasic acids with the structure:



Germanium can be detected with an error up to 10% when its content is 0.5 - 0.8 mg, using the high-frequency alkalimetric titration method. The authors thank V. I. Tikhomirov for his valuable and substantial guidance in this work. Orig. art. has: 6 figures, 1 formula, and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 26Oct64 / ORIG REF: 003 / OTH REF: 001

Card 3/3 egh

TSERKOVNITSKAYA, I.A.; YEPIMAKHOV, V.N.

High-frequency alkalimetric titration of polyphenolgermanium
acids. Vest. LGU 20 no.16:101-106 '65. (MIRA 18:9)

TSERKOVNITSKAYA, I.A.; YEPIMAKHOV, V.N.

Polarographic behavior of germanium in the presence of alizarin
red S. Zhur. anal. khim. 20 no.6:686-693 1965.
(MIRA 18:7,
Leningradskiy gosudarstvennyj universitet imeni Zhdanova.

BYKHOVTSEVA, T.T.; TSERKOVNITSKAYA, I.A.

Photometric determination of antimony with pyrocatechol violet.
Zav. lab. 30 no.8:943 '64. (MIRA 18:3)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

univ., 1964. 69-1

TOPIC TAGS: molybdenum determination, steel analysis, amperometric titration,
copper sulfate, zinc amalgam

ABSTRACT: A method was developed for determining molybdenum in steel-based on
oxidation of Mo (III) to Mo (V) with CuSO₄ solution (0.01 N) and amperometric indication
with liquid zinc amalgam.

form with the determination of Mo (V) by titration with Fe²⁺ converted to Mo (VI) and
were calculated from the titration curves. The titration curves were linear up to an excess of 10% of applied Fe²⁺. The titration curves were linear up to an excess of 10% of applied Fe²⁺.

Card 273

L A 160-07

ACCESSION NR. AT&T 67-16

good agreement with values obtained by K. S. V. and V. V. W. on Mn. 40% Mn. 20 figures and 3 tables.

CF. XI. Cr. 30

ASSOCIATION. None

SUBMITTED: 2889984

ENCL: 91

SUB CODE: IC, MM

NO REF. SIGN. 03.

Card 8/3

TSERKOVNITSKAYA, I.A.; BYKHOVTSEVA, T.T.

Reducing properties of bivalent iron in the presence of $S_2O_3^{2-}$ ions.

Zhur. anal. khim. 19 no.8:922-925 '64.

(MIRA 17:11)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757010011-8

SOURCE:

Michigan Inst. of Tech., All recent reports
univ., 1964, 69-71

Chemical analysis of copper
copper sulfide, Michigan Inst.
univ.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757010011-8"

ACCESSION NR: VTS-007416

ANALYST: J. R. C. ANALYST: J. R. C. ANALYST: J. R. C.
Cr. No. VTS. Subj. 1. Date: 09/28/64

ASSOCIATION: None

SUBMITTED: 28Sep64

ENCL: 01

SUB CODE: IC, MM

NO REF SOV: 601

OTHER: 600

Card 2/3

TSERKOVNITSKAYA, I.A.; CHARYKOV, A.K.

Some properties of organic thorium salts. Izv. vuz. Ucheb. zav.;
khim. i khim. tekhn. 7 no.4:544-550 '64.

1. Kafedra analiticheskoy khimii Leningradskogo gosudarstvennogo
universiteta im. A.A. Zhdanova. (MIRA 17:12)

TSERKOVNITSKAYA, I.A.; BYKHOVTSEVA, T.T.

Polarographic behavior of uranyl complex compounds with
organic reagents. Zhur. anal. khim. 19 no.5:574-583 '64.
(MIRA 17:8)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

TSERKOVNITSKAYA, I.A.; YE ZHU-TSZYU [Yeh Ju-chiu]

Amperometric determination of thorium by means of thoron.
Vest. LGU. 18 no.16:135-136 '63. (MIRA 16:11)

TSERKOVNITSKAYA, I.A.; YE ZHU-TSZYU [Yeh Ju-chiu]

Amperometric titration of thorium with two platinum electrodes.
Vest. LGU 18 no.22:168-171 '63. (MIRA 17:1)

TSERKOVNITSKAYA, I.A.; YE ZHULTSZYU [Yeh Ju-chiu]

Use of complexons for coulometric titration of thorium. Zhur.
anal.khim. 18 no.7:822-828 Jl '63. (MIRA 16:11)

1. A.A.Zhdanov Leningrad State University.

L 14940-63

FCS(f)/EWP(q)/EWT(m)/BDS AFFTC/ESD-3 RM/JD

ACCESSION NR: AP3003757

S/0075/63/018/007/0822/0828

AUTHORS: Tserkovnitskaya, I. A.; Ju-Chiu, Ye.

60

5.8

TITLE: Use of complexons for coulometric titration of thorium 27

SOURCE: Zhurnal analiticheskoy khimii, v. 18, no. 7, 1963, 822-828

TOPIC TAGS: complexon, coulometric titration, thorium

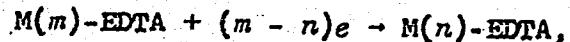
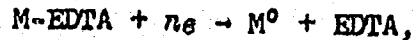
ABSTRACT: Coulometric methods for determination of elements became very widespread during the past 10 years. Their great advantage is high accuracy. The end point of a coulometric titration is established most of all by amperometric and potentiometric methods. The majority of the developed coulometric titration methods is based on oxidation-reduction or neutralization processes. The possibility of generating organic reagents by electrochemical means has not been studied to a large extent. In order to develop methods for the coulometric determination of thorium, it is necessary to learn the possibilities of an electrochemical generation of the reagents which are used in

Card 1/3 ✓

L 14940-63

ACCESSION NR: AP3003757

titrimetric methods of thorium determination. The most effective method of a titrimetric determination of thorium is titrating it with a solution of complexon III. Two methods exist:



where $M\text{-EDTA}$ is a compound of a metal with ethylenediaminetetra-acetic acid and M^o is an elementary metal. In the first case, EDTA is separated out. In the second case, the complex $M(n)$ is formed with the metal, which should be much less stable than the complex of the determined element with EDTA. Authors used second formula for determining thorium content with iron (III) and mercury ethylenediaminetetra-acetates. The advantage of using mercury ethylenediaminetetra-acetate for determining about 0.1 mg or more of thorium in 20 ml was pointed out. Orig. art. has: 5 figures and 3 tables.

ASSOCIATION: Leningrad State University

Card
2/32

BOVIN, G.M.; IVASHKOV, I.I.; OLEYNIK, A.M.; TSERKOVNITSKIY, N.V.,
inzhener, retsenzent; GOLOVIN, S.Ya., redaktor; ~~MODELT~~, B.I.
tekhnicheskiy redaktor.

[Escalators] Eskalatory. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1955. 351 p. (MLRA 8:10)
(Escalators)

TSERKOVNITSKIY, N.V.

New electric lines. Transp. stroi. 14 no.1:12-13 Ja '64.

(MIRA 17:8)

1. Nachal'nik Glavnogo upravleniya po elektrifikatsii zheleznykh
dorog Ministerstva transportnogo stroitel'stva SSSR.

AUTHOR: Isidorov, A. V.

TITLE: A celestial navigation system for aircraft

EDITION: Second edition. Translated from Russian by G. S. Kostylev, 1965

PUBLISHER: Sov. radio, Moscow, 1965. 120 p., 21 cm.

Card 1/3

1. 0211 A-65

ACCESSION NR: APS01..15

source.

ASSOCIATION: none

SUBMITTER: [redacted]

REF FILE: AA, 11

Card 2/3

L 52180-65

ACCESSION NR: AF501.515

EXCERPT: CI



...engines plus platinum, and 3
stars, and three stars.

Open
Card 3/3

TSERKOVNIY, G. F.

TSERKOVNIY, G. F. -- "Statistics on Sickness Causing Working Time Loss and the Dispensary Method of Serving Employees of Industrial Enterprises." Sub 5 Jan 53, First Moscow Order of Lenin Medical Inst. (Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

ANOFRIYEV, A.S. ;TSERKOVNY, G.F.

Results of activities of medico-sanitary personnel in the decrease
of morbidity. Sovet. zdravookhr. 11 no.6:23-29 Nov-Dec 1952. (CLML 23:4)

1. Of the Medico-Sanitary Section of First State Ball-Bearing Plant
imeni L. M. Kaganovich.

TSERKOVNYY, G.F.

"Public health in the U.S.S.R.; statistical handbook." Reviewed
by G.F.TSerkovnyi. Sov.zdrav. 20 no.1:78-81 '61. (MIR 14:5)
(PUBLIC HEALTH--STATISTICS)

MERKOV, A.M., prof., red.; TSERKOVNYY, G.F., kand. med. nauk,
red.; KAUFMAN, B.D., kand. med. nauk, red.; SHNAYDER,
B.Ye., red.

[Morbidity and mortality from malignant tumors among the
population of the U.S.S.R.] Zabolevaemost' i smertnost'
naseleniya SSSR ot zlokhachestvennykh novoobrazovaniy.
Leningrad, Medgiz, 1962. 54 p. (MIRA 18:7)

TSERKOVNYY, I.I., agronom

Increasing the productivity of natural grasslands. Zemledelie 7
no.4:72-75 Ap '59. (MIRA 12:6)

1. Golobskaya rayonnaya inspeksiya po sel'skomu khozyaystvu
Volynskoy oblasti.
(Pastures and meadows)

VOROB'YEV, S.A., kand.tekhn.nauk, otv.red.; KONOVALOV, A.I., inzh., red.; MAKARENKO, V.P., inzh., red.; MIKHEYEV, M.Y., inzh., red.; NOVIKOVA, N.T., inzh., red.; PIKHTOVNIKOV, R.V., prof., red.; PODLOZHENOV, P.M., inzh., red.; SEMKO, M.F., prof., red.; TOROPOV, A.I., inzh., red.; TSERKOVNYY, I.M., inzh., red.; CHERKASHIN, I.P., inzh., red.; SHEVCHENKO, M.G., tekhn.red.; LIMANOVA, M.I., tekhn.red.

[Mechanization and automation of production processes; proceedings of the city technical conference] Mekhanizatsiia i avtomatizatsiia proizvodstvennykh protsessov; sbornik materialov gorodskoi tekhnicheskoi konferentsii. Khar'kov, Khar'kovskoe knizhnoe izd-vo, 1959. 295 p. (MIRA 13:1)

1. Kommunisticheskaya partiya Ukrayiny. Khar'kovskiy gorodskoy komitet. 2. Nachal'nik Ukrainskoy proyektno-konstruktorskoy kontory "Prommekhanizatsiya". (for TSerkovnyy).
(Automation) (Technological innovations)

TSERKOVNYY, I.M., inzh.; SHCHERBINA, V.A., inzh.

Pushing conveyers. Mashinostroitel' no.6:10-14 Je '59.
(MIRA 12:9)
(Conveying machinery)

28(1)

SOV/117-59-6-5/33

AUTHORS: Tserkovnyy, I.M. and Shcherbina, V.A., Engineers

TITLE: Pushing Conveyers

PERIODICAL: Mashinostroitel', 1959, Nr 6, pp 10-14 (USSR)

ABSTRACT: The article presents general information on the design and operation of pushing conveyers, such as are being widely used abroad, i.e. automatic conveyers for carrying castings or other blanks to different shops within a plant, and mentions different "addressing systems" of these conveyers. For the first experimental pushing conveyer system at the Ul'yanovskiy avtozavod (Ul'yanovsk Automobile Plant), the plan shown in figure 6 has been adopted. The painting of axles in a high-voltage electrostatic field is done according to this plan. The advantages of this conveyer system are explained. There are 6 diagrams.

Card 1/1

TSERKOVSKAYA, L. S.

TSERKOVSKAYA, L. S. "The Histogenesis and Neurotization of the Female Urethra." Minsk State Medical Inst. Minsk, 1956.
(Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya Letopis', No. 19, 1956.

TSERKOVSKAYA, L.S.

Age-related morphology of the nerve apparatus of the lower section
of female urination canals; the first nerve fiber component. Dokl.
AN BSSR 9 no.2:136-139 F '65. (MIRA 18:5)

1. Minskiy meditsinskiy gosudarstvennyy institut, kafedra obshchey
biologii.

TSERLETI, P.V.

Study of histopathomorphology of goiter. Soob. AN Gruz.
SSR 33 no.3:727-744 Mr '64 (MIRA 17:8)

KHMELEV, Nikolay Nikolayevich; TSERLEVSKAYA, Ye.S., red.; NOVIKOVA, S.N., red.; PYATAKOVA, N.D., tekhn. red.

[Accounting on collective farms] Bukhgalterskii uchet v kolkhozakh. Moskva, Gosstatizdat, 1963. 211 p.
(MIRA 17:2)

TSERLIN, Kh.I.

Comparing raw material expenditure in the production of textile
with the woven and nonwoven method. Izv. vys. ucheb. zav.; tekhn.
tekst. prom. no.4:3-6 '65.
(MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.

TSERLING, G.I.

Mycorrhiza of larch and its influence on the growth and conditions
of larch seedlings in trans-Volga Chernozems rich in carbonates
[with summary in English]. Mikrobiologiya 27 no.4:450-459 Jl-Ag '58
(MIRA 11:9)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.
(Fungi,

mycorrhiza of larch trees, eff. on growth of seedlings
in carbonate-containing chernozem, eff. of mycorrhiza
(Rus))

TSERLING, G.I.

Formation of the mycorrhiza of larch in Chernozem soils of the trans-Volga region and methods for stimulating it. Mikrobiologiya 29 no.3: 401-407 My-Je '60. (MIRA 13:7)

1.Kuybyshevskiy sel'skokhozyaystvennyy institut.
(KUYBYSHEV PROVINCE--LARCH) (MYCORHIZA)
(CHERNOZEM SOILS)

TZERLING, G. I.

Larch

Larch in the Trans-Volga region. Les i step' 4 no. 7, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952 UNCLASSIFIED

TSERLING, V.V.

Determining the fertilizer requirement of plants by foliar diagnosis.
Pochvovedenie no.3:79-80 Mr '57. (MLRA 10:?)

1. Pochvennyy institut imeni V.V.Dokuchayeva Akademii nauk SSSR.
(Plants--Nutrition) (Plants--Chemical analysis)

TSERLING, V.V.

Excursions to scientific institutes of Paris and vicinity.
Pochvovedenie no.3:90 Mr '57. (MLRA 10:7)

1. Pochvennyy institut imeni V.V. Dokuchayeva Akademii nauk SSSR.
(France--Agricultural research)

TSERLING, V. V.

Agriculture - Kaliningrad Province

Kaliningrad comprehensive expedition of the Academy of Sciences of the U.S.S.R.
Pochvovedenie No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

1. TSERLING, V. V.
 2. USSR (600)
 4. Agriculture - Kaliningrad Province
 7. Results of the scientific activities of the Kaliningrad expedition of the Academy of Sciences of the U.S.S.R. Vest. AN SSSR 22, no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

TSERLING, V V

N/5
622.500
.tp

Primenie udobreniy na dernovo pozolistyki pochvakh (na primere kalingradskoi)
(The Use of Fertilizers in Grassy, Saline Soils. (For example in Kaliningrad
Oblast), by) V. V. Tserling i I.G. Bazhenin. Moskva, Akademkniga, 1954.

207 p. (Akademiya nauk SSSR. Fachvenny institut. Kalingradskaya kompleksnaya
ekspeletsiya. Nauchno--populayarnaya seriya.)

TSERLING, V.V.

Determining the potassium requirements of plants. [with French summary
in insert]. Pochvovedenie no.6:59-71 Je '56. (MIRA 9:10)

1. Laboratoriya agrokhimii, Pochvennyy institut imeni V.V. Dokuchayeva
Akademii nauk SSSR. (Plants, Effect of potassium on)

TSERLING, V.

Studying the role of nutrition in the formation of the crop as a basis for determining the nutrient requirements of plants by their analysis. Pochvovedenie no.8:63-75 Ag '65. (MIRA 18:9)

I. Pochvennyy institut imeni V.V.Dokuchayeva, Moskva.

TSERLING, V.V., doktor biol. nauk

Determining the fertilizer requirements of plants.

Zhur.VKHO 10 no.4:381-386 '65.

(MIRA 18:11)

TSERLING, Vera Vladimirovna, doktor biol. nauk; ISAYEV, V.A.,
red.

[How to feed plants; determining the nutrient requirements
of plants] Kak kormit' rasteniiia; diagnostika pitaniiia
rastenii. Moskva, Znanie, 1965. 45 p. (Novoe v zhizni,
nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.14)
(MIRA 18:7)

TSERLING, V.V.

Problems of soil fertility at the 8th International Congress of
Soil Scientists. Pochvovedenie no.5:88-93 My '65.
(MIRA 18:5)

ASKINAZI, D.L., doktor sel'skokhoz. nauk; TSERLING, V.V., doktor
biolog. nauk

"Physiological and agrochemical foundations of the use of
fertilizers" by Z.I. Zhurbitskii. Reviewed by D.L. Askinazi,
V.V. TSerling. Vest. AN SSSR 34 no.5:164-166 My '64.
(MIRA 17:6)

TSERLING, V.V., kand. sel'skokhoz. nauk

Facilities for training and exchange of experience. Inform.
biul. VDNKH no.7:25-29 Jl '63. (MIRA 16:8)

TSERLING, Vera Vladimirovna; ISAYEV, V.A., red. izd-va; UL'YANOVA,
O.G., tekhn. red.

[Plant tells about the soil; how to determine plants'
requirements for fertilizers] Rastenie rasskazyvaet o
pocheve; kak opredelit' potrebnost' rastenii v udobre-
niakh. Moskva, Izd-vo AN SSSR, 1963. 84 p.
(MIRA 17:1)

TSERLING, Vera Vladimirovna

"Metabolism, the Formation of the Harvest, and Diagnostics of
the Fertilizer Requirements of Plants."

dissertation for the degree of Doctor of Biological Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

TGERLING, V.V., starshiy nauchnyy sotrudnik

Plant nutrition under the control of a chemist. Nauka i zhish'
29 no.7:64 J1 '62. (MIRA 16:6)

1. Laboratoriya agrokhimii Pochvennogo instituta imeni V.V.Dokuchaeva Ministerstva sel'skogo khozyaystva SSSR.
(Plants--Chemical analysis)

ALEKSANDROVA, I.V.; DIMO, V.N.; MURATOVA, V.S.; NOGINA, N.A.;
PRESNYAKOVA, G.A.; RAZORENOVA, N.A.; TSERLING, V.V.; SHKONDE, E.I.

Second Congress of Soil Science Delegates. Pochvovedenie
(MIRA 16:2)
no.1:93-102 Ja '63.
(Soil research--Congresses)

TSERLING, V.V.

Diagnosis of nutrient needs in plants. Izv. AN SSSR. Ser. biol. no.5:
717-726 S-0 '60. (MIRA 13:9)

1. Soil Institute, Academy of Sciences of the U.S.S.R., Moscow.
(FERTILIZERS AND MANURES)
(PLANTS—NUTRITION)

TSERLING, V.V., kand. sel'skokhozyaystvennykh nauk

New express method for determining the state of plant nutrition.
Vest. AN SSSR 30 no. 8:81-83 Ag '60. (MIRA 13:8)
(Plants--Nutrition)

TSERLING, V.V.; SHCHEGOLOVA, G.M.

Utilization and distribution in plant organs of phosphorus given
as a top dressing as influenced by different phosphorus nutrition
levels. Trudy Pochv. inst. 55:272-284 '60. (MIREA 13:11)

(Plants, Motion of fluids in)

(Plants, Effect of phosphorus on)

USSR / Soil Science. Mineral Fertilizers.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48642

Author : Tserling, V. V.

Inst : Not given

Title : Problems of Leaf Diagnostics in Plant Fertilizers Requirements

Orig Pub : Pochvovedeniye, 1957, No 3, 79-80

Abstract : The work of the hearing on plant analysis and problems of mineral fertilizers (at the time of the 6th international soil science congress in Paris in the year 1956) is reported. Twenty-nine reports dealing with problems of leaf diagnostics in plant requirements for N, P, K, Ca, Mg, B, Cu and Fe were heard at the hearing's sessions. The investigations treated the most diverse plants. All the speakers stressed the

Card 1/2

28

USSR / Soil Science. Mineral Fertilizers.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48642

importance of the leaf diagnostic method in
solving the problem of fertilizer application,
and the American scientist Kane raised the
question of organizing a leaf diagnostics ser-
vice. -- B. P. Pleshkov

Card 2/2

TSERLING, V.V.

Field experiments for determining the fertilizer needs of plants.
Politekh.obuch. no.5:46-50 My '59. (MIRA 12:7)

1. Pochvennyy institut AN SSSR.
(Agriculture--Study and teaching)
(Soil fertility)

TSERLING, V.V.

Observing the process of yield formation in winter crops. Politekh.
obuch. no.8:45-47 Ag. '59. (MIRA 12:10)

1.Pochvennyy institut AN SSSR.
(Wheat)

1. Analysis and classification of natural changes brought by the action of bacteria on plants. V. I. [REDACTED] and G. S. [REDACTED], USSR Academy of Sciences, Moscow.
2. Ecological processes under the conditions of an arid zone under irrigation. V. I. [REDACTED], A. N. [REDACTED], Institute of Hydrobiology, USSR Academy of Sciences, Moscow.
3. The role of endogenous enzymes in the ripening and changes of fruits. I. A. [REDACTED]. A. N. [REDACTED] Institute of Hydrobiology, USSR Academy of Sciences, Moscow.
4. Dependence of mineral composition of plants on their environment. V. I. [REDACTED], USSR Academy of Sciences USSR, Moscow.
5. Distribution of water in roots of plants and their absorption. A. P. [REDACTED] and V. I. [REDACTED], Institute of Hydrobiology, USSR Academy of Sciences, Moscow.
6. Relative water and plant metabolism. V. O. [REDACTED], USSR Academy of Sciences USSR, Moscow.
7. The state of deoxyribonucleic acid in the nucleus and its changes in the plant cell. V. O. [REDACTED], V. S. [REDACTED], V. A. [REDACTED], and I. V. [REDACTED], Institute of Hydrobiology, USSR Academy of Sciences, Moscow.
8. Biochemical properties of plant cell nuclei. N. M. [REDACTED] and R. A. [REDACTED], A. N. [REDACTED] Institute of Hydrobiology, USSR Academy of Sciences, Moscow.
9. Interactions between irrigation and fertilizers. V. I. [REDACTED], USSR Academy of Sciences, Moscow.
10. Other than cytoplasmic culture in plants. F. A. [REDACTED], USSR Academy of Sciences, USSR.
11. Fertilization effects of microelements on the resistance of plants to unfavorable conditions. V. I. [REDACTED], Institute of Plant Industry, Leningrad, USSR.
12. Rapid changes due to climatic factors and adaptation of plants to representative environments prior to flowering. A. N. [REDACTED] and V. V. [REDACTED], USSR Academy of Sciences, USSR.
13. Fertilization effects of the elements of potassium in plants correlated with fruit hardness. I. N. [REDACTED], V. I. [REDACTED], V. I. [REDACTED], A. I. [REDACTED], and V. I. [REDACTED], Institute of Plant Industry, Leningrad, USSR.
14. Fertilization in trees. V. G. [REDACTED], Laboratory of Light Physics, Leningrad, USSR.
15. The vegetation of natural grasslands of the USSR. T. V. [REDACTED], USSR.
16. The cytology of fertilization in flowering plants. N. G. [REDACTED], USSR Academy of Sciences, USSR.
17. The correlation between the concepts "Recent Acropetism" and "Unisexualism" and their significance for the classification of plants. V. N. [REDACTED], Botanical Institute, USSR.

NOTE: This document has been presented at the CIA, FBI, DDCI, and NTIA.

USSR / General Division, Congresses, Conventions,
Conferences

A-4

Abs Jour: Ref Zhur-Biologija, No 5, 1958, 18883

Author : Lobova E. V., Zavalishin A. A., Tserling V. V.

Inst : Not given

Title : Excursions of the 6th International Congress of Soil
Scientists (9-15 Sept 1956)

Orig Pub: Pochvovedenie, 1957, No 3, 81-90

Abstract: No abstract

Card 1/1

TSERLING, V.V.

How to determine the fertilizer requirements of a plant. Politekhnobuch.
no.10:40-43 O '58. (MIRA 11:11)

1. Pochvennyy institut AN SSSR.
(Plants--Chemical analysis)

I-3

USSR / Plant Physiology. Mineral Nutrition.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43728

Author : Tserling, V. V.; Shcheglova, G. M.; Plyshevskaya, Ye. G.;
Zartsalov, V. V.

Inst Title : Soil Institute of the Academy of Sciences, USSR
An Investigation of Plant Metabolism in Relation to Age,
Doses and Times of Applying Fertilizers Utilizing the Isotope N¹⁵.

Orig Pub : Fiziol. rasteniy, 1957, 4, No. 1, 3-13.

Abstract : Millet was cultivated in a sand culture on a Gel'rigel' mixture. N¹⁴ was applied to the pots before planting, and N¹⁵ in side-dressing. The N¹⁵ content was determined by a mass spectrometer. The variants in the experiment were: $\frac{1}{2}$ dose of N¹⁴ given before planting, the rest by side-dressings at various times, 1/10 of a dose of N¹⁴ before planting and 9/10 of a dose by side-dressings at different times. With

Card 1/2

USSR / Plant Physiology. Mineral Nutrition.

I-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43728

the initial dose of $\frac{1}{2}$ N, the longer the plants did not get side-dressing, the quicker did they form amino acids. The rate of protein renewal depended on the developmental phases of millet; the shooting stage proved critical. With the initial dose at 1/10 N, where side-dressing was applied up to the differentiation of the inflorescences, there was an augmented new formation of amino acids and protein renewal, which brought about an increase in the yield (1 $\frac{1}{2}$ to two times larger than the control). With later side-dressing the renewal of N compounds proceeded considerably slower. This work was performed at the Soil Institute of the Academy of Sciences USSR. -- N. G. Buyakovich.

Card 2/2

USSR / Soil Science. Mineral Fertilizers.

J-4

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77428

Author : Tserling, V. V.

Inst : Not given

Title : Method of Diagnosing the Nitrogen Requirement of Plants

Orig Pub : Pochvovedeniye, 1958, No 1, 68-74

Abstract : No abstract given

Card 1/1

TSERLING, V.V.

Methods for determining the nitrogen requirement of plants [with
summary in English]. Pochvovedenie no.1:68-74 Ja '58.
(MIRA 11:2)

1.Pochvennyy institut im. V.V. Dokuchayeva AN SSSR.
(Plants--Nutrition)
(Nitrogen)

USSR/Physiology of Plants. Mineral Nutrition.

I-4

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1170.

Author : Tserling, V.V.

Inst :

Title : A Microchemical Method of Diagnosing the Phosphorous Needs
of Plants.

Orig Pub: Pochvovedeniye, 1956, No 10, 58-63 (resume in French).

Abstract: Described is a method of diagnosing a plants supply of P by using a P-benzidine reaction. The results attained are similar to the data obtained by use of marked atoms, and also the method of quantitative determination of total P in plants. It permits measurement to be made in juiceless plants and in individual parts of the plant, for example the petals, stamens, pistils, etc.

Card : 1/1

-6-

TSERLING, V.V.; SHCHEGLOVA, G.M.; PLYSHEVSKAYA, Ye.G.; ZERTSALOV, V.V.

Using radioactive nitrogen N¹⁵ in studying plant metabolism
as affected by age and the amount and time of applying fertilizers
[with summary in English]. Fiziol.rast. 4 no.1:3-13 Ja-F '57.

1.Pochvennyy institut im. V.V. Dokuchayeva Akademii nauk SSSR,
Moskva.

(Plants--Metabolism)
(Fertilizers and Manures) (Nitrogen--Isotopes)

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APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757010011-8"

KLYUCHNIK, V.K.; TSERLYUK, A.L.; STOROZHIK, D.A.; LEONOVА, A.V.

Standardizing blast furnace charging equipment. Met. i gornorud. prom.
(MIRA 17:1)
no. 3:14-16 My-Je '63.

1. Dnepropetrovskiy proyektno-konstruktorskiy tekhnologicheskiy institut (for Klyuchnik, TSerlyuk). 2. Dnepropetrovskiy metallurgicheskiy institut (for Storozhik, Leonova).

TSERLYUK, B. M.

Combined method of the treatment of trophic ulcers and sluggish
wounds. Khirurgiia, Moskva no. 6:71-72 June 1952. (CIML 22:4)

1. Of the Surgical Division (Head -- B. M. Tseryuk), Daugavpils
Municipal Hospital. 2. Combined use of tissue therapy and biogenic
stimulators.

AYZENSHTAT, A.I.; TSERLYUK, B.M.

Benign osteoblastoma. Vest.khir. no.8:101-104 '61.

(MIRA 15:3)

1. Iz Rizhskogo nauchno-issledovatel'skogo instituta travmatologii
i ortopedii (dir. - kand.med.nauk V.K. Kalnberz).
(SPINE—TUMORS)

TSERLYUK, B.M.

Mechanical relaxation of the spine in compression fractures.
Ortop., travm. i protaz. 21 no.11:65-67 '60. (MIRA 14:4)
(SPINE--FRACTURE) (ORTHOPEDIC APPARATUS)

L 8347-66 EPF(n)-2/EWT(l)/EWT(m)/ETC(m)/T WW/DJ

ACC NR: AP5025759

SOURCE CODE: UR/0286/65/000/018/0125/0125

AUTHORS: Izakson, A. A.; Tserlyuk, M. D.

38

ORG: none

B

TITLE: Pneumatically driven pump. Class 59, No. 174946

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 125

TOPIC TAGS: pneumatic drive, lubricant pump, PUMP, PNEUMATIC DEVICE

ABSTRACT: This Author Certificate presents a pneumatically driven pump (see Fig. 1), e.g., for lubricants, containing a pumping section, a pneumatic drive, and a distribution valve system which controls the pneumatic drive piston. To increase operating life and reliability, it is constructed as a single unit with a plunger dividing the pumping and pneumatic chambers. This plunger is spring-loaded from the pumping side and has a coaxial auxiliary piston and a valving system with connected axial and diametral passages. The body also has air distribution channels which connect the valve chamber with the atmosphere and with the pressurized air source, which connect the chamber under the auxiliary piston with the atmo-

Card 1/2

UDC: 621.522.1-722

L 8347-66

ACC NR: AP5025759

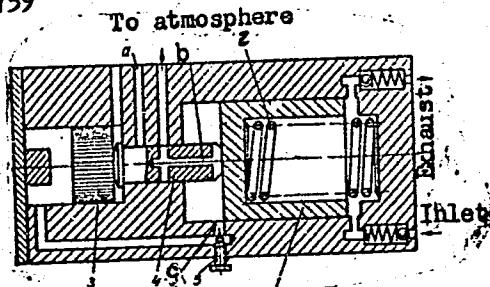


Fig. 1. 1 - Plunger;
2 - spring; 3 - auxiliary
piston; 4 - air distri-
bution valve; a,b,c, -
passages; 5 - throttle.

sphere, and which connect the chamber above the auxiliary piston with the pneumatic drive chamber at the end of the plunger stroke. One of these passages has a throttle to regulate pumping capacity. Orig. art. has 1 figure.

SUB CODE: 13/

SUBM DATE: 18Mar63

jw
Card 2/2

TSERLYUK, M.D., inzh.

Proper power correlation of diesels and electric motors in excavators
with single-motor drives. Stroi. i dor. mashinostr. 5 no. 5:9-10
My '60. (MIRA 14:4)
(Excavating machinery)

KONTOROVICH, I.Ye., doktor tekhn. nauk; KOLESNIKOV, A.P., inzh.;
TAMARINA, A.M., inzh.; TKACHENKO, V.I., inzh.; TSERLYUK, M.D., inzh.

Increasing engineering properties of steel castings at low
temperatures. Stroi. i dor. mash. 10 no.4:32-33 Ap '65.
(MIRA 18:5)

TSERLYUK, M.D., inzh.

Compensating couplings with wooden bushes. Stroili dor.
mashinostr. 4 no.8:37-38 Ag '59. (MIRA 12:12)
(Couplings)

TSERLYUK, M.D., inzh.

The E-2006 erecting crane. Stroi, i dor. mashinostr. 3 no.9:3-4 S
'58. (MIRA 11:10)
(Cranes, derricks, etc.)

PRONIV, D.I.; TSERLYUK, P.P. (Kiyev)

"Comatose states" by N.K.Bogolepov. Reviewed by D.I.Proniv,
P.P.TSerliuk. Vrach.delo no.12:139-140 D '62. (MIRA 15:12)
(COMA)
(BOGOLEPOV, N.K.)

PRONIV, D.I., dotsent; TSERLYUK, P.P. (Kiyev)

"Neural diseases" by F.A.Poemnyi. Reviewed by D.I.Proniv;
P.P.Tserliuk. Vrach. delo no.4:152-153 Ap'63. (MIRA 16:7)
(NERVOUS SYSTEM--DISEASES)
(POEMNYI, F.A.)

TSERLYUK, S.N.

Table for calculating gas consumption in dwellings having central
heating systems. Gas. prom. 10 no. 7:17 '65. (MIRA 18:8)

TSERMA, D.

Effect of antibiotics on blood coagulation. Probl. gemat i perel.
krovi 6 no.2:34-38 '61. (MIRA 14:2)
(ANTIBIOTICS) (BLOOD—COAGULATION)

TSERMAN, M.D.; OSTAPYSHIN, N.K.; KHOBER, F.S.

Use of a combined piecework and bonus system of wages for repair work. Sakh. prom. 32 no.4:49-51 Ap '58. (MIRA 11:6)

1. Sakharnyy zavod "Kreshchatik."
(Repairing) (Wages)

TSERMAN, M.D.; FENIK, I.P.; BONDARENKO, A.P.

Combined processing of beet and raw cane sugar. Sakh. prom. 32
no. 8:35-38 Ag '58. (MIRA 11:9)

1. Sakhkombinat "Kreshchatik."
(Sugar manufacture)

TSERMAN, N.D.; SHNAGAYLO, Ye.D.

Regularize the operation of sugar refinery lime sections. Sakh.prom.
31 no.7:24-26 Jl '57. (MIRA 10:8)

1.Sakharnyy zavod "Kreshchatik."
(Sugar industry--Equipment and supplies)

TSWRYMAN, M.D.; SHMACAYLO, Ye.D.

Increasing limekiln capacity. Sakh. prom. 31 no. 1:61-62 Ja '57.

(MIRA 10:4)

1. Sakharnyy zavod "Kreshchatik".
(Limekilns)

S/058/62/000/011/016/061
A062/A101

AUTHORS: Papoushek, D., Tserman, O., Travnichkova, G., Kuchirek, Ya.

TITLE: Thermodynamic functions of an anharmonic oscillator and a vibrating rotator

PERIODICAL: Referativnyy zhurnal, Fizika, no. 11, 1962, 11, abstract 11V69
("Spisy přírodověd. fak. univ. Brně", 1962, v. 26, no. 1, 19 - 35;
summaries in English and German)

TEXT: A method is proposed for calculating statistical sums of an anharmonic oscillator and a vibrating rotator. For the vibrating energy levels a relation is introduced which contains 4 constants; taken into account are the limitation of the vibrating and rotating levels, the interaction of the vibration with the rotation, and the influence of the centrifugal force at the rotation. The approximation used permits to obtain, in the entire temperature range of the given tables, the same accuracy of calculation (within three decimal digits) as in the case of direct summation. The tables may be applied up to temperatures determined by the relation $1.4388 \omega/T > 0.4$. For most two-atom molecules this corresponds to temperatures up to 3,000°K.

[Abstracter's note: Complete translation]

Card 1/1

ROSHCHUPKIN, D.V., kand. tekhn. nauk; TSERNANT, A.A., inzh.;
POPOV, Yu.A., inzh.

Clay cutting and ripping machine. Stroi. i dor. mash. 10 no.4:
11-13 Ap '65. (MIRA 18:5)

ДАНИЧУКИН, Олег. Зад. №екн. науки. ГЕНДАНТ, А.А., инженер РОГОД, Ю.С., инж.

Tests for sandifiers on suction dredges. Transl. astral. 15
no. 2342-49 F '65. (MIRA 18-3)

TSERKOV, I.Ya., inzh.; DMITRIEV, I.N., inzh.; BULATOV, N.V., inzh.
flow diagram for milling in a closed cycle. (Document 30 nov. 13-5
S-0 '64.)

i. Gosudarstvennyy nauchno-issledovatel'skiy institut
tsementnoy promstvonosti i Zelenogradskiy tsentral'no-sifernyy
kombinat.

TSERNIAUSKAS,

CERNIAUSKAS, Simona; JOCAITE, N., red.; GOTLERIS, D., tekhn. red.

[Moral and material encouragement of workers and employees]
Darbininku ir tarnautoju moralinis ir materialinis paskatinimas.
Vilnius, Valstybine politines ir mokslynes literaturos
leidykla, 1962. 44 p. (MIRA 16:5)
(Lithuania--Incentives in industry)

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TSERPITSKAYA, I.S.
BYALIK, Z.Z.; TSERPITSKAYA, I.S.

Susceptibility of goslings to pathogenic Leptospira. Zhur.mikrobiol.
epid.i immun. no.7:99 Jl '54. (MLRA 7:9)

1. Iz kafedry mikrobiologii Voronezhskogo meditsinskogo instituta.
(LEPTOSPIROSIS)

Abstract U-7920, 8 Mar 56

TSERPC, I.

7720. Tserps, Il I. Abolin', Ya.-" ravochnik traktora. Riga, latgalsizdat,
1954. 259 s. s ill. 20sm. 10.000 ekz. 6r. 30k. v per.-sost. ukazany v vyp.
dan.--na latysh. Yaz.--(5'-3'05) 631.37:(29.11).2(02)

SO: Knizhnyaya Letopis', Vol. 7, 1954

TSERSKI, Iv., inzh.

Economic effect of belt conveyers, and their application in
the mines of East Maritsa Basin. Min. delo 18 no.4:15-19
Ap'63.

Tseretvadze

USSR / Cultivated Plants. Fruits, Berries.

L-6

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22834

Author : ~~Tseretvadze~~

Inst : Not Given

Title : Frost Resistance of Almonds.

Orig Pub : Tr. Opyt. st. plodovodstva AN GruzSSR, 1956, 4, 103-113

Abstract : A study of the results of sever frosts in 1946-1948, 1948-1949, and 1949-1950, when the temperatures were down to --30.5°, showed that the greatest winter resistance among the almond varieties was manifested by varieties obtained from Georgia, and especially the variety Saburtalos nushi. In the spring of 1950 the trees of this variety began their growth well and comparatively early, and their condition improved during summer, although 1 and 2 year old shoots were damaged even in this variety. Most imported varieties were badly damaged at -- 25°, while at -- 30° they perished completely. These varieties were outstanding in frost resistance of their

Card : 1/2

USSR / Cultivated Plants. Fruits, Berries.

L-6

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 2283⁴

flower buds: Nonpareil, No 321, No 475 and especially J.X.L.
These varieties were also notable for their late flowering,
thin shells, and high nut yield. They are used in improving
local frost-resistant almond varieties.

Card : 2/2